

For Research Use Only

Teneurin 1 Polyclonal antibody

Catalog Number: 21696-1-AP

2 Publications



Basic Information

Catalog Number:

21696-1-AP

Size:

150ul, Concentration: 699 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16289

GenBank Accession Number:

BC140783

GeneID (NCBI):

10178

UNIPROT ID:

Q9UKZ4

Full Name:

odt, odd Oz/ten-m homolog 1(Drosophila)

Calculated MW:

2732 aa, 306 kDa

Observed MW:

305 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, H69/H146 cells, human brain tissue, rat brain tissue

IHC : human brain tissue, mouse brain tissue

Background Information

ODZ1 (also known as teneurin-1, TENM1), which plays a key role in central nervous system ontogenesis. ODZ1 is upregulated in Glioblastoma cells through a Stat3-mediated pathway activated by IL-6, which is released by tumor-associated monocytes. In addition, a hypoxic microenvironment regulates GBM tumor cell migration in part by inducing ODZ1 through hypomethylation of a CpG island in the ODZ1 promoter.

Notable Publications

Author	Pubmed ID	Journal	Application
Yinghong Wu	39139739	Genet Res (Camb)	WB
Barretina Jordi J	22460905	Nature	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

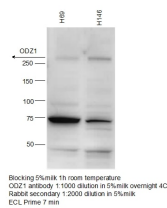
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

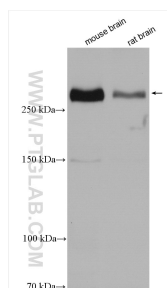
E: proteintech@ptglab.com
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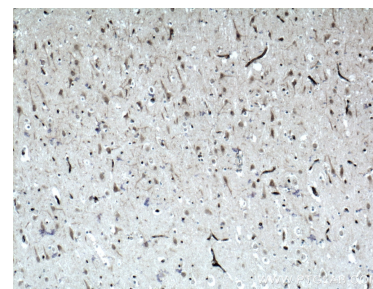
Selected Validation Data



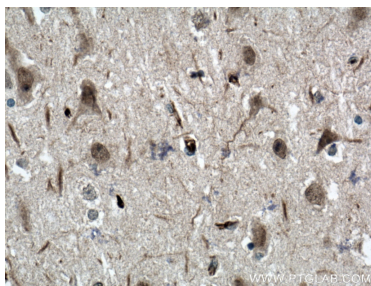
WB result of anti-ODZ1 (21696-1-AP) with two cell lines by Dr. Petrini, Iacopo.



Various lysates were subjected to SDS PAGE followed by western blot with 21696-1-AP (ODZ1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21696-1-AP (ODZ1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21696-1-AP (ODZ1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).